

|    | Document ID       | Issue Date | Pages | Title   | Current OR | Current XRef  |
|----|-------------------|------------|-------|---|------------|---|
| 1  | US 20040222909 A1 | 20041111   | 18    | STATE DELAYED TECHNIQUE AND SYSTEM TO REMOVE TONES OF DYNAMIC ELEMENT MATCHING  | 341/144    |   |
| 2  | US 20040172435 A1 | 20040902   | 12    | Architecture and method for performing a fast fourier transform and OFDM reciever employing the same  | 708/404    |   |
| 3  | US 6864819 B2     | 20050308   | 19    | State delayed technique and system to remove tones of dynamic element matching  | 341/143    | 341/144   |
| 4  | US 6720897 B1     | 20040413   | 19    | State-delayed technique and system to remove tones of dynamic element matching  | 341/143    | 341/144   |
| 5  | US 6411253 B1     | 20020625   | 25    | Equalization system using general purpose filter architecture   | 342/194    | 342/13  |
| 6  | US 6407694 B1     | 20020618   | 19    | General purpose filter  | 342/13     |   |
| 7  | US 6317467 B1     | 20011113   | 23    | Beamforming and interference cancellation system using general purpose filter architecture  | 375/267    | 342/379;<br>375/232   |
| 8  | US 6246731 B1     | 20010612   | 7     | Method and structure for increasing the maximum channel speed of a given channel  | 375/341    | 360/40;<br>360/65;<br>375/290;<br>714/795                           |
| 9  | US 5946293 A      | 19990831   | 13    | Memory efficient channel decoding circuitry   | 370/210    | 370/203;<br>375/219;<br>375/232;<br>375/260;<br>708/404;<br>708/405 |
| 10 | US 5909426 A      | 19990601   | 10    | Orthogonal LMS algorithms for fast line echo canceler training  | 370/203    | 370/286;<br>370/292;<br>379/406.1                                   |
| 11 | US 5537435 A      | 19960716   | 57    | Transceiver apparatus employing wideband FFT channelizer with output sample timing adjustment and inverse FFT combiner for multichannel communication network | 375/219    | 370/210;<br>370/280;<br>370/484;<br>375/232;<br>375/233;<br>375/260 |

|           | <b>Inventor</b>              |
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| <b>1</b>  | Wang, Minsheng               |
| <b>2</b>  | Goel, Manish                 |
| <b>3</b>  | Wang; Minsheng               |
| <b>4</b>  | Wang; Minsheng               |
| <b>5</b>  | Cox; Lloyd C. et al.         |
| <b>6</b>  | Cox; Lloyd C. et al.         |
| <b>7</b>  | Cox; Lloyd C. et al.         |
| <b>8</b>  | Brianti; Francesco et al.    |
| <b>9</b>  | Beale; Terrance Ralph et al. |
| <b>10</b> | Liau; Thomas C. et al.       |
| <b>11</b> | Carney; Ronald et al.        |

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| 12 | US 5535240 A | 19960709   | 48    | Transceiver apparatus employing wideband FFT channelizer and inverse FFT combiner for multichannel communication network | 375/219    | 370/210;<br>370/484;<br>375/229;<br>375/232;<br>375/260 |
| 13 | US 5490009 A | 19960206   | 10    | Enhanced resolution for digital micro-mirror displays  | 359/291    | 348/755;<br>348/771;<br>359/224;<br>359/259;<br>359/317 |
| 14 | US 5422760 A | 19950606   | 74    | Disk drive method using zoned data recording and PRML sampling data detection with digital adaptive equalization         | 360/46     | 360/51;<br>360/65                                       |
| 15 | US 5375145 A | 19941220   | 22    | Multi-mode gain control loop for PRML class IV sampling data detection channel   | 375/345    | 375/290;<br>455/234.1                                   |
| 16 | US 5345342 A | 19940906   | 73    | Disk drive using PRML synchronous sampling data detection and asynchronous detection of embedded sector servo            | 360/48     | 360/77.08   |
| 17 | US 5341249 A | 19940823   | 76    | Disk drive using PRML class IV sampling data detection with digital adaptive equalization                                | 360/46     | 360/39;<br>360/51;<br>360/53                            |
| 18 | US 5235534 A | 19930810   | 20    | Method and apparatus for interpolating between data samples  | 708/300    | 702/190;<br>702/76;<br>708/290;<br>708/313              |
| 19 | US 4685004 A | 19870804   | 27    | Rotary head type PCM recording and reproduction method and system  | 360/32     | 360/48  |
| 20 | US 4420825 A | 19831213   | 8     | Element-sited beamformer   | 367/122    | 367/123   |
| 21 | US 4107459 A | 19780815   | 29    | Data processor analyzer and display system   | 375/368    | 360/39;<br>360/5;<br>375/371;<br>D18/52                 |

|           | <b>Inventor</b>                     |
|-----------|-------------------------------------|
| <b>12</b> | Carney; Ronald R.<br>et al.         |
| <b>13</b> | Venkateswar;<br>Vadlamannati et al. |
| <b>14</b> | Abbott; William L.<br>et al.        |
| <b>15</b> | Abbott; William L.<br>et al.        |
| <b>16</b> | Abbott; William L.<br>et al.        |
| <b>17</b> | Abbott; William L.<br>et al.        |
| <b>18</b> | Potter; Ronald W.                   |
| <b>19</b> | Takahashi; Hiroaki<br>et al.        |
| <b>20</b> | Maynard; Robert<br>L. et al.        |
| <b>21</b> | Stamper; Jerry Lee                  |

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| 22 | US<br>20040222909<br>A | 20041111   | 18    | Output data stream residual tone removing method for digital-to-analog converter, involves performing dynamic element matching operation on even and odd input samples to produce shuffled even and odd data samples, respectively     |            |              |
| 23 | US<br>20040172435<br>A | 20040902   | 12    | Fast Fourier transform architecture in orthogonal frequency division multiplex receiver, has parallel segment to receive parallel intermediate results from pipeline segment and to generate parallel, frequency-domain output samples |            |              |

|    | Inventor |
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| 22 | WANG, M  |
| 23 | GOEL, M  |